

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application No.	10/630,629
		Filing Date	July 29, 2003
		First Named Inventor	Narum, David L.
		Art Unit	1653
(Multiple sheets used when necessary)		Examiner	Unknown
		Attorney Docket No.	NIH290.001C1
SHEET 1 OF 1			

## **U.S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
PD	2	WO 02/078603 A2	10-10-2002	U.S. Govt./DHHS		

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>

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Examiner Signature	<u>/Patricia Duffy/</u>	Date Considered	01/22/2007
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**T<sup>1</sup>** - Place a check mark in this area when an English language Translation is attached.

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

OCT 24 2003 (Multiple sheets used when necessary)

SHEET 1 OF 1

Application No.	10/630,629
Filing Date	July 29, 2003
First Named Inventor	Narum et al.
Art Unit	1645
Examiner	Duffy, Patricia Ann
Attorney Docket No.	NIH290.001C1

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear

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PD	1	Database EMBL 'Online!' EBI; 15 March 1999 "Plasmodium falciparum genome sequence" Database accession no. AL049180.	
PD	2	International Preliminary Examination Report from the priority PCT application No. PCT/US01/24725.	
PD	3	International Search Report from the priority PCT application No. PCT/US01/24725.	
PD	4	KAPPE, S.H.I. et al. 1997 "Erythrocyte binding protein homologues of rodent malaria parasites." <i>Mol Biochem Parasitol</i> 89(1):137-148.	
PD	5	MAYER, D.C.G. et al. 2001 "Characterization of a <i>Plasmodium falciparum</i> erythrocyte-binding protein paralogous to EBA-175." <i>PNAS USA</i> Apr 24; 98(9):5222-5227, Epub 2001 Apr 17.	
PD	6	PETERSON, D.S. et al. 1995 "Isolation of multiple sequences from the <i>Plasmodium falciparum</i> genome that encode conserved domains homologous to those in erythrocyte-binding proteins." <i>PNAS USA</i> 92(15):7100-7104.	
PD	7	SIM B.K.L. 1995 "EBA-175: an erythrocyte-binding ligand of <i>Plasmodium falciparum</i> ." <i>Parasitol Today</i> 11(6):213-217.	
PD	8	TRIGLIA, T. et al. 2001 "An EBA175 homologue which is transcribed but not translated in erythrocytic stages of <i>Plasmodium falciparum</i> ." <i>Mol Biochem Parasitol</i> Aug; 116(1):55-63.	

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<p>Substitute for Form 1449/A/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>(use as many sheets as necessary)</p>			
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<p><b>First Named Inventor</b></p>		<p><b>David L. Narum</b></p>	
<p><b>Group Art Unit</b></p>			
<p><b>Examiner Name</b></p>			
<p>Sheet</p>	<p>1</p>	<p>of</p>	<p>3</p>
		<p>Attorney Docket Number</p>	
		<p><b>05213-0468</b></p>	

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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

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		First Name & Inventor	David L. Narum
		Group Art Unit	
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OTHER INFORMATION - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	
PD	5	ADAMS, J. H., HUDSON, D. E., TORII, M., WARD, G. E., WELLEMS, T. E., AIKAWA, M., MILLER, L. H. "The Duffy receptor family of Plasmodium knowlesi is located within the macronemes of invasive malaria merozoites." <i>Cell</i> . 63: 141-153. (1990)	
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PD	7	CHITNIS, C. E., MILLER, L. H. Identification of the erythrocyte binding domains of Plasmodium vivax and Plasmodium knowlesi proteins involved in erythrocyte invasion. <i>J Exp Med</i> 1994 Aug 1; 180(2):497-506.	
PD	8	CAMUS, D., AND T. J. HADLEY. A Plasmodium falciparum antigen that binds to host erythrocytes and merozoites. <i>Science</i> . 1985; 230, no. 4725:553.	
PD	9	DEANS, J. A., AND W. C. JEANS. 1987. Structural studies on a putative protective Plasmodium knowlesi merozoite antigen. <i>Molecular Biochemical Parasitology</i> . 26:155-166.	
PD	10	DOLAN, S. A., J. L. PROCTOR, D. W. ALLING, Y. OKUBO, T. E. WELLEMS, AND L. H. MILLER. 1994. Glycophorin B as an EBA-175 independent Plasmodium falciparum receptor of human erythrocytes. <i>Mol Biochem Parasitol</i> . 64:55-63.	
PD	11	FANG, X., KASLOW, D. C., ADAMS, J. H., MILLER, L. H. "Cloning of the Plasmodium vivax Duffy receptor." <i>Mol. Biochem. Parasitol.</i> 44: 125-132 (1991).	
PD	12	HADLEY, T. J., ERKMEN, Z., KAUFMAN, B. M., FUTROVSKY, S., MCGUINNIS, M. H., GRAVES, P., SADOFF, J. C., MILLER, L. H., Factors influencing invasion of erythrocytes by Plasmodium falciparum parasites: the effects of an N-acetyl glucosamine neoglycoprotein and an anti-glycophorin antibody. <i>Am J Trop Med Hyg</i> 1986 Sep; 35(5):898-905.	
PD	13	HARTIKKA, J., SAWDEY, M., CORNEFERT-JENSEN, F., MARGALITH, M., BARNHART, K., NOLASCO, M., VAHLSING, H. L., MEEK, J., MARQUET, M., HOBART, P., NORMAN, J., AND MANTHORPE, M. 1996. An improved plasmid DNA expression vector for direct injection into skeletal muscle. <i>Hum Gene Ther.</i> 7:1205-17.	
PD	14	HORUK, R., CHITNIS, C. E., DARBONNE, W. C., COLBY, T. J., RYBICKI, A., HADLEY, T. J., AND MILLER, L. H., 1993. A receptor for the malarial parasite Plasmodium vivax: the erythrocyte chemokine receptor. <i>Science</i> . 261:1182-4.	
PD	15	LIANG, H., NARUM, D. L., FUHRMANN, S. R., LUU, T., SIM, B. K., 2000. A recombinant baculovirus-expressed Plasmodium falciparum receptor-binding domain of erythrocyte binding protein EBA-175 biologically mimics native protein. <i>Infect Immun Jun</i> ; 68(6):3564-8.	

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PD	16	MILLER, L. H., MASON, S. J., DVORAK, J. A., MCGINNIS, M. H., ROTHMAN, I. K., Erythrocyte receptors for ( <i>Plasmodium knowlesi</i> ) malaria: Duffy blood group determinants. <i>Science</i> 1975 Aug 15; 189-(4202) :561-3.		
PD	17	NARUM, D. L., AND THOMAS, A. W. 1994. Differential localization of full-length and processed forms of PF83/AMA-1 an apical membrane antigen of <i>Plasmodium falciparum</i> merozoites. <i>Mol Biochem Parasitol.</i> 67:59-68.		
PD	18	NARUM, D. L., HAYNES, J. D., FUHRMANN, S., MOCH, K., LIANG, H., HOFFMAN, S. L., AND SIM, B. K. 2000. Antibodies against the <i>plasmodium falciparum</i> receptor binding domain of EBA-175 block invasion pathways that do not involve sialic acids [In Process Citation]. <i>Infect Immun.</i> 68:1964-6.		
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PD	21	SIM, B. K., ORLANDI, P. A., HAYNES, J. D., KLOTZ, F. W., CARTER, J. M., CAMUS, D., ZEGANS, M. E., AND CHULAY, J. D. Primary structure of the 175K <i>Plasmodium falciparum</i> erythrocyte binding antigen and identification of a peptide which elicits antibodies that inhibit malaria merozoite invasion. <i>J Cell Biol.</i> 1990; 111, no. 5 Pt 1:1877-1884.		
PD	22	SIM, B. K. L., CHITNIS, C. E., WASNIEWSKA, K., HADLEY, T. J., MILLER, L. H., "Receptor and ligand domains for invasion of erythrocytes by <i>Plasmodium falciparum</i> . <i>Science.</i> 264:1941-1944. (1994)		
PD	23	SIM, B. K. L., TOYOSHIMA, T., HAYNES, J. D., AND AIKAWA, M. 1992. Localization of the 175-kilodalton erythrocyte binding antigen in micronemes of <i>Plasmodium falciparum</i> merozoites. <i>Mol Biochem Parasitol.</i> 51:157-9.		
PD	24	VERNES, A., HAYNES, J. D., TAPCHAI, P., WILLIAMS, J. L., DUTOIT, E., DIGGS, C. L., <i>Plasmodium falciparum</i> strain-specific human antibody inhibits merozoite invasion of erythrocytes. <i>Am J Trop Med Hyg</i> 1984 Mar;33(2) :197-203.		
PD	25	HADLEY, T. J., "Invasion of erythrocytes by malaria parasites: a cellular and molecular overview." <i>Annu Rev. Microbiol.</i> (1986);40:451-77.		

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